

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
 Data File : VN076062.D
 Acq On : 03 Jan 2023 14:38
 Operator : JC\MD
 Sample : N6232-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/04/2023
 Supervised By : Mahesh Dadoda 01/04/2023

Quant Time: Jan 04 04:17:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	336070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	517166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	438732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	169933	46.479	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.960%		
35) Dibromofluoromethane	8.177	113	154792	48.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.660%		
50) Toluene-d8	10.571	98	587252	49.041	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.080%		
62) 4-Bromofluorobenzene	12.853	95	188687	47.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.140%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	6007	11.611	ug/l #	78
16) Acetone	4.453	43	54268	43.058	ug/l	89
19) Methyl tert-butyl Ether	5.806	73	39852	4.063	ug/l #	85
25) 2-Butanone	7.500	43	8960	5.077	ug/l #	83
31) Cyclohexane	8.253	56	12957m	2.474	ug/l	
39) Methylcyclohexane	9.606	83	9407	1.833	ug/l	98
40) Benzene	8.618	78	7236	0.551	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	3687	1.081	ug/l	99
52) Toluene	10.635	92	13119	1.535	ug/l	96
67) Ethyl Benzene	11.965	91	635606	41.822	ug/l	99
68) m/p-Xylenes	12.082	106	295062	49.052	ug/l	99
69) o-Xylene	12.400	106	55983	9.404	ug/l	99
73) Isopropylbenzene	12.694	105	37360	2.589	ug/l	97
78) n-propylbenzene	13.041	91	82414	5.178	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	750567	62.649	ug/l	100
85) sec-Butylbenzene	13.617	105	8545m	0.581	ug/l	
86) p-Isopropyltoluene	13.729	119	6361m	0.520	ug/l	
89) n-Butylbenzene	14.059	91	7911m	0.799	ug/l	
95) Naphthalene	15.641	128	109212	11.790	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

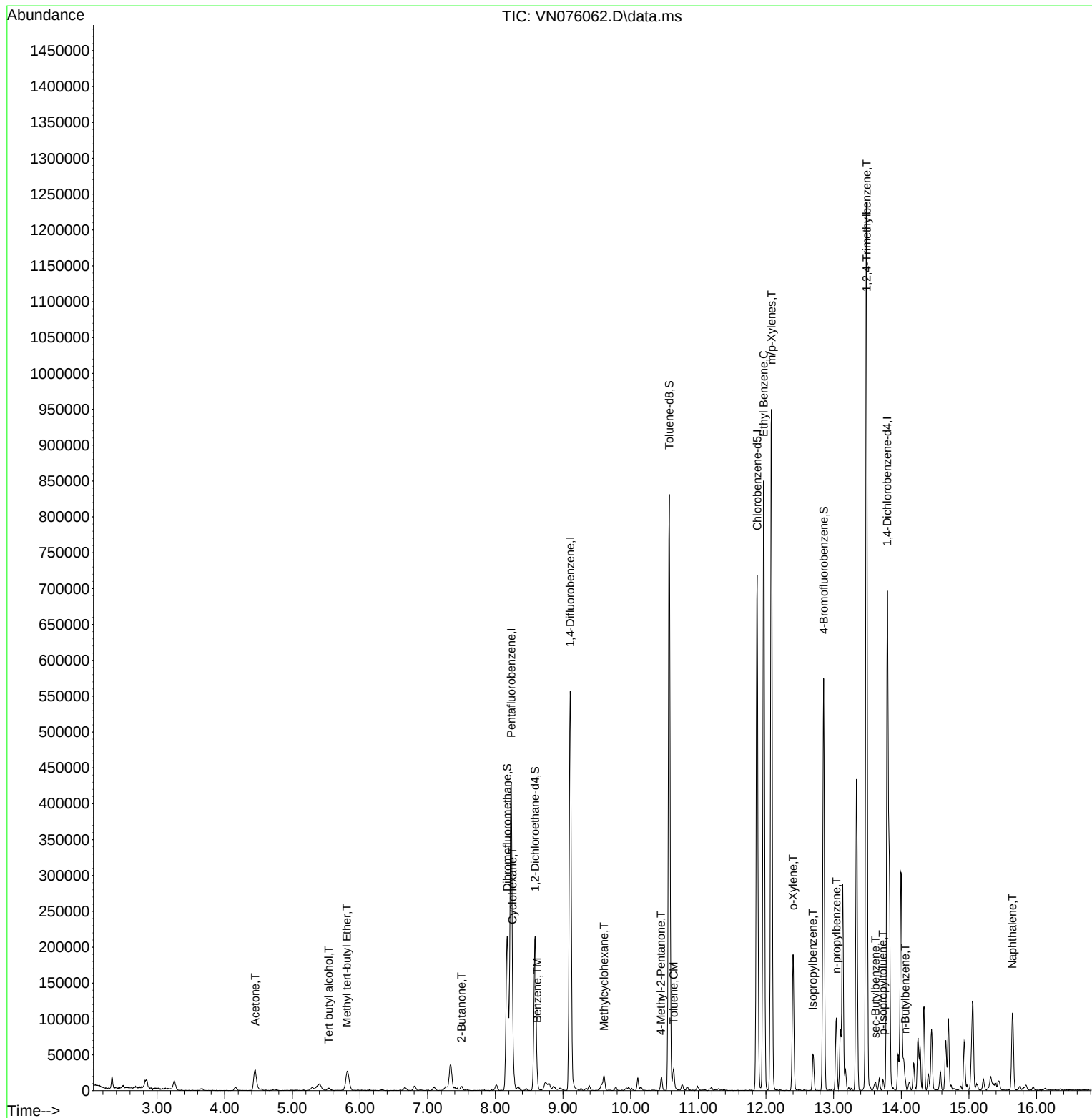
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
Data File : VN076062.D
Acq On : 03 Jan 2023 14:38
Operator : JC\MD
Sample : N6232-01DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

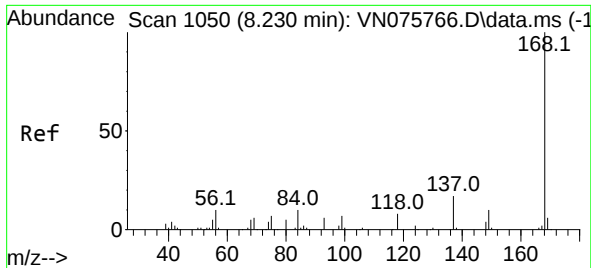
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/04/2023
Supervised By : Mahesh Dadoda 01/04/2023

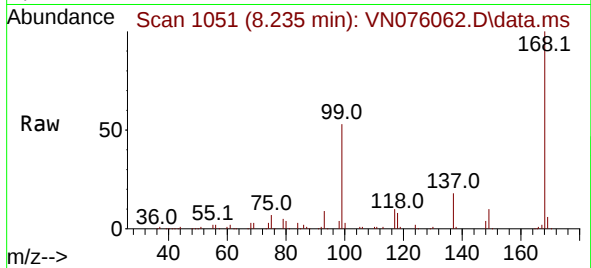
Quant Time: Jan 04 04:17:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

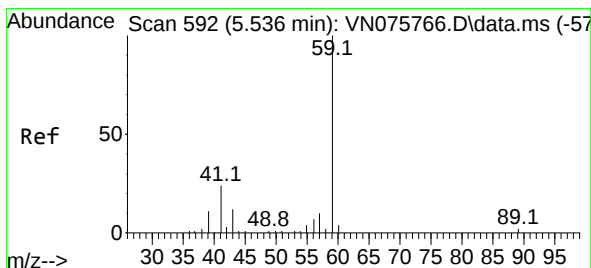
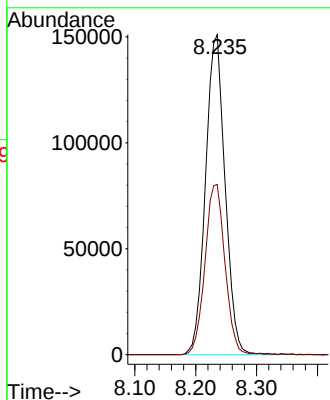
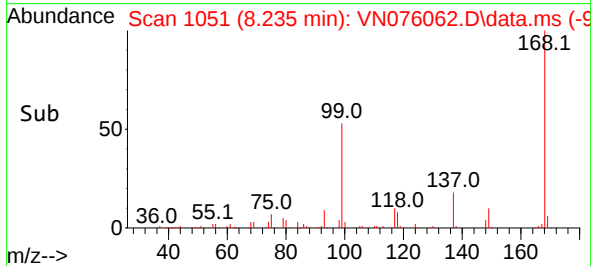
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



Tgt Ion:168 Resp: 336070
Ion Ratio Lower Upper
168 100
99 53.2 44.2 66.4

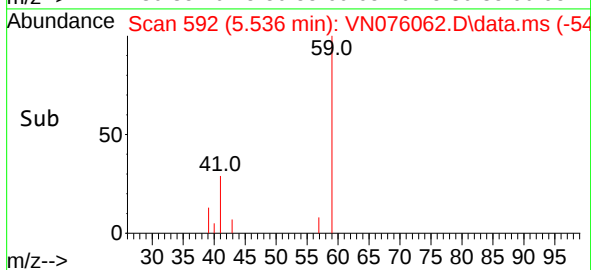
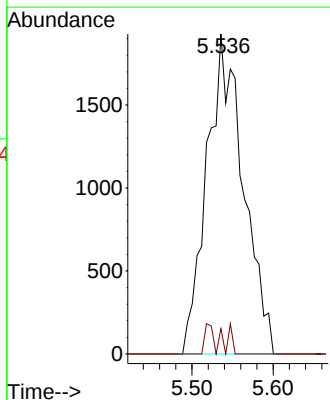
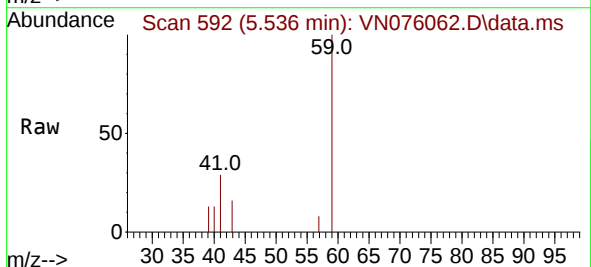
Manual Integrations
APPROVED

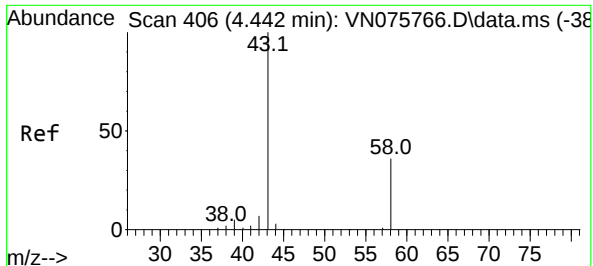
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023



#11
Tert butyl alcohol
Concen: 11.611 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Tgt Ion: 59 Resp: 6007
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.4#





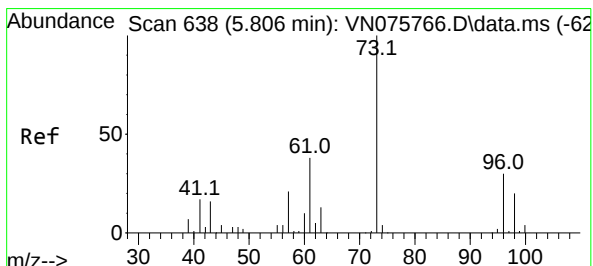
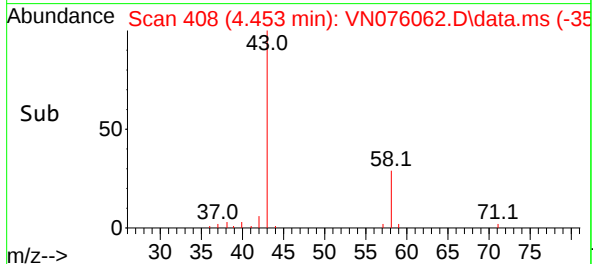
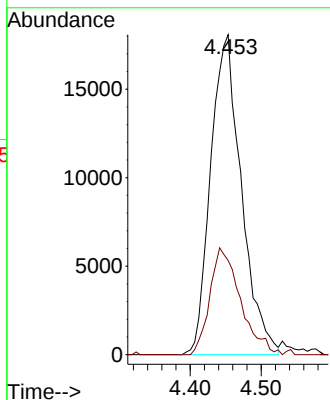
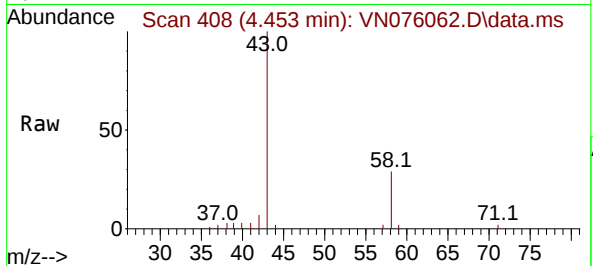
#16
Acetone
Concen: 43.058 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW-10DL

Tgt Ion: 43 Resp: 5426
Ion Ratio Lower Upper
43 100
58 29.5 28.6 43.0

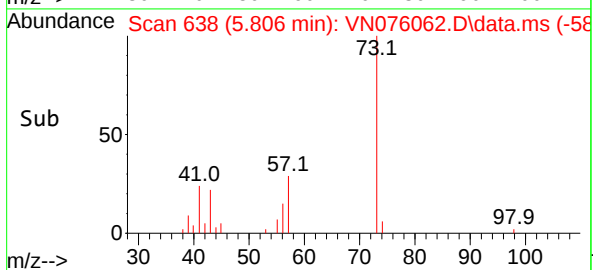
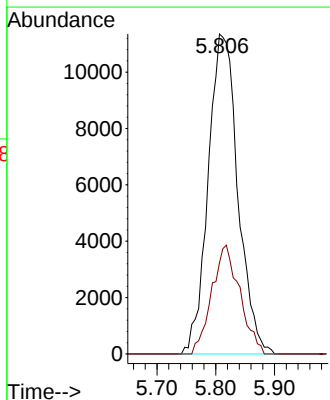
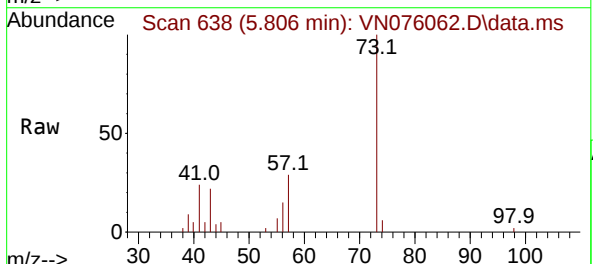
Manual Integrations
APPROVED

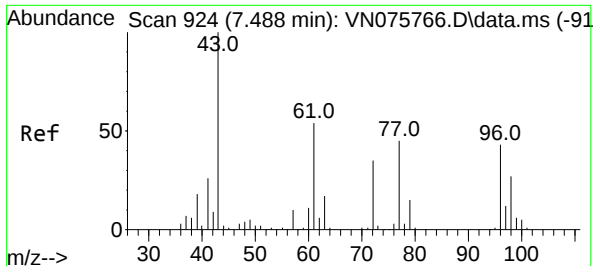
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023



#19
Methyl tert-butyl Ether
Concen: 4.063 ug/l
RT: 5.806 min Scan# 638
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Tgt Ion: 73 Resp: 39852
Ion Ratio Lower Upper
73 100
57 28.5 17.1 25.7#





#25

2-Butanone

Concen: 5.077 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076062.D

Acq: 03 Jan 2023 14:38

Instrument :

MSVOA_N

ClientSampleId :

MW-10DL

Tgt Ion: 43 Resp: 8960

Ion Ratio Lower Upper

43 100

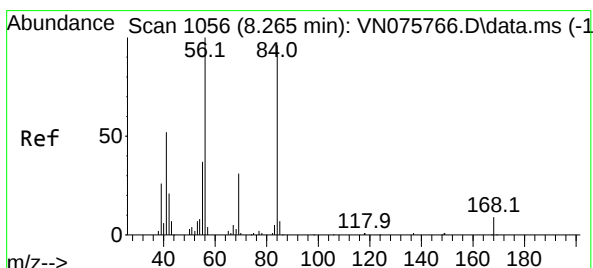
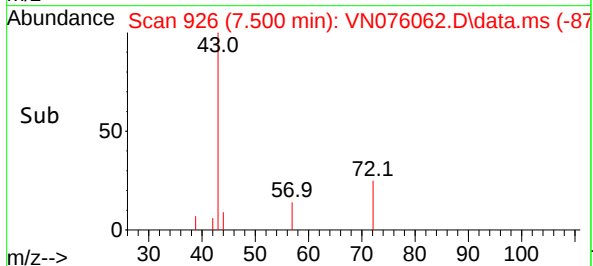
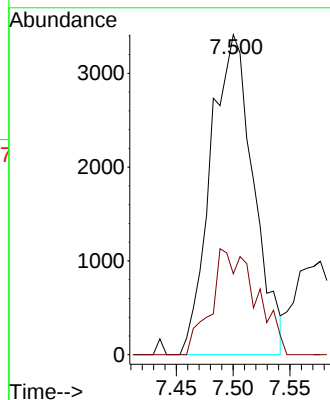
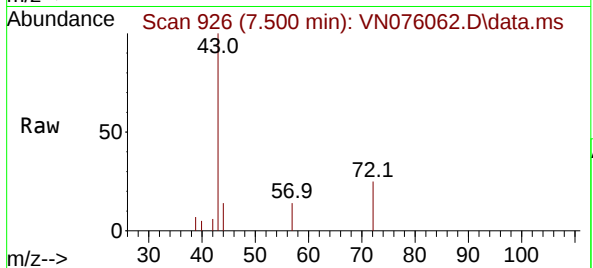
72 25.3 28.0 42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2023

Supervised By :Mahesh Dadoda 01/04/2023



#31

Cyclohexane

Concen: 2.474 ug/l m

RT: 8.253 min Scan# 1054

Delta R.T. -0.012 min

Lab File: VN076062.D

Acq: 03 Jan 2023 14:38

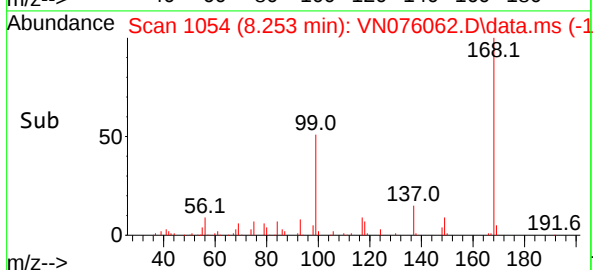
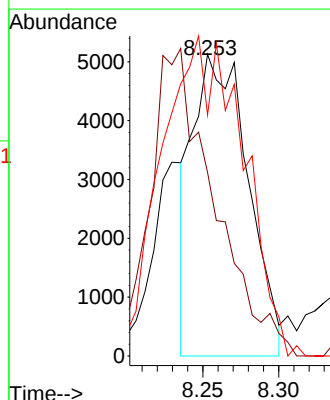
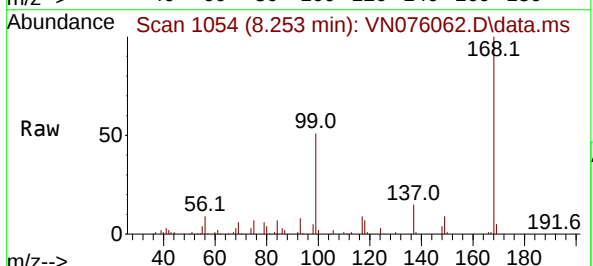
Tgt Ion: 56 Resp: 12957

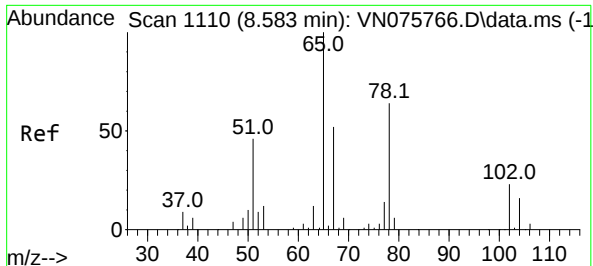
Ion Ratio Lower Upper

56 100

69 60.8 24.7 37.1

84 79.8 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 46.479 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076062.D

Acq: 03 Jan 2023 14:38

Instrument :

MSVOA_N

ClientSampleId :

MW-10DL

Tgt Ion: 65 Resp: 16993

Ion Ratio Lower Upper

65 100

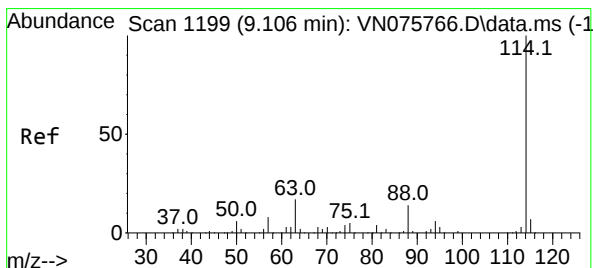
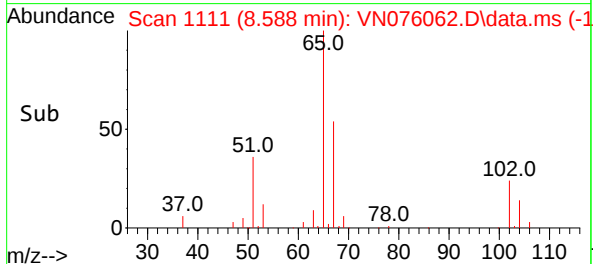
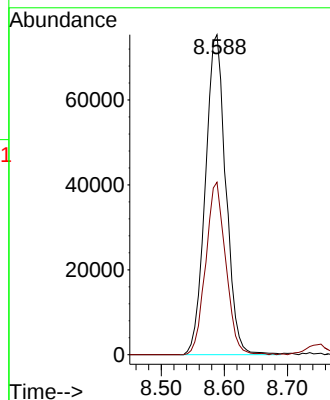
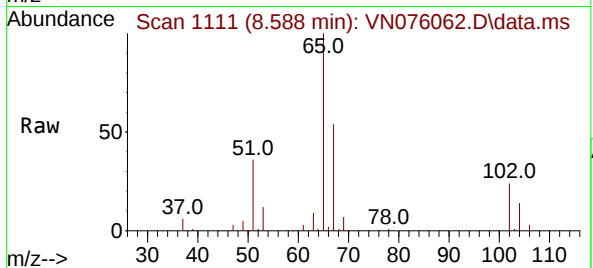
67 52.6 0.0 103.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2023

Supervised By :Mahesh Dadoda 01/04/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076062.D

Acq: 03 Jan 2023 14:38

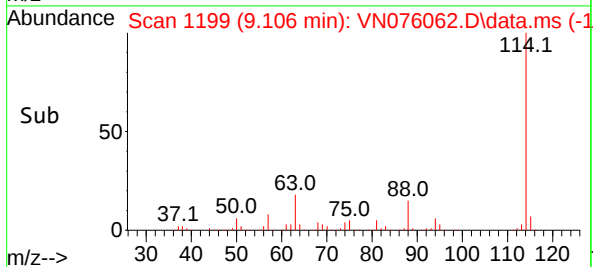
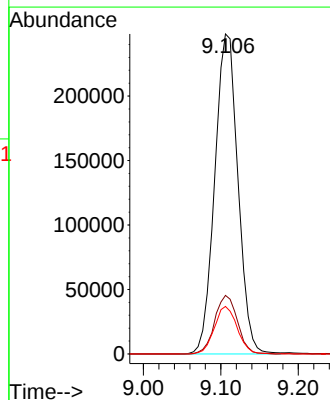
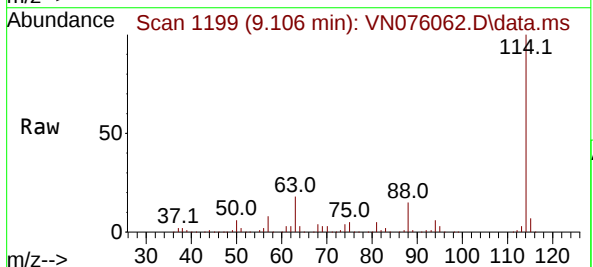
Tgt Ion:114 Resp: 517166

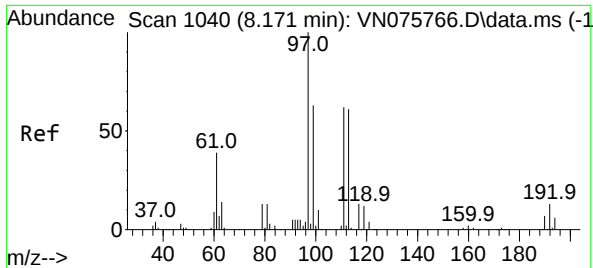
Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

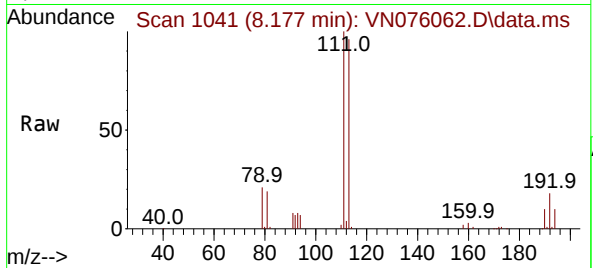
88 14.9 0.0 28.8





#35
Dibromofluoromethane
Concen: 48.331 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

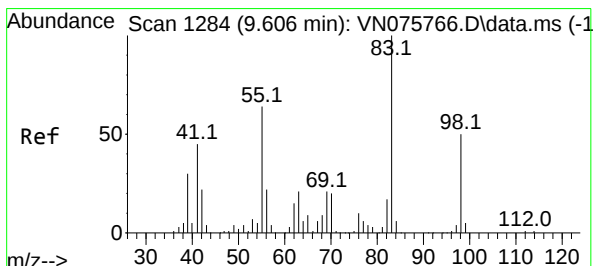
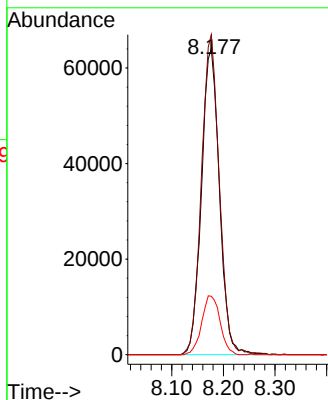
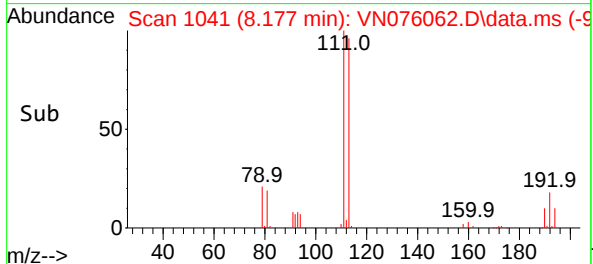
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



Tgt Ion: 113 Resp: 154792
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.2
192 19.6 16.1 24.1

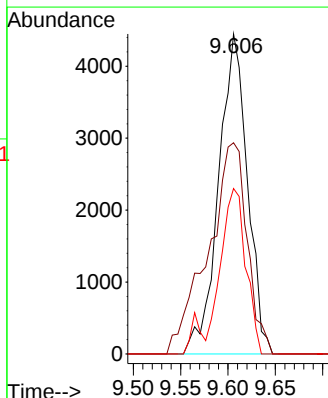
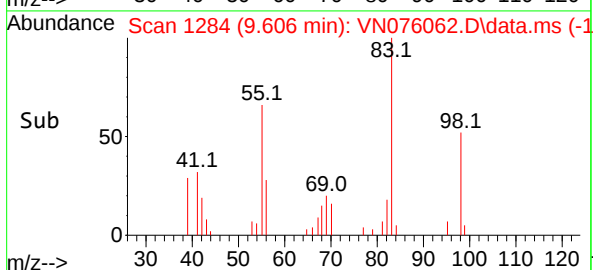
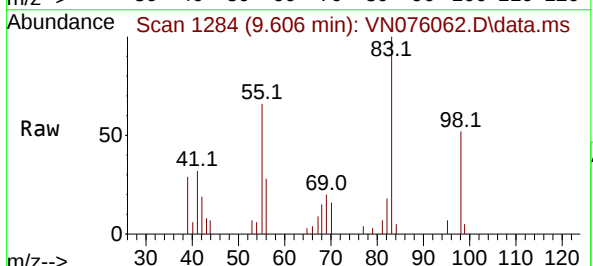
Manual Integrations
APPROVED

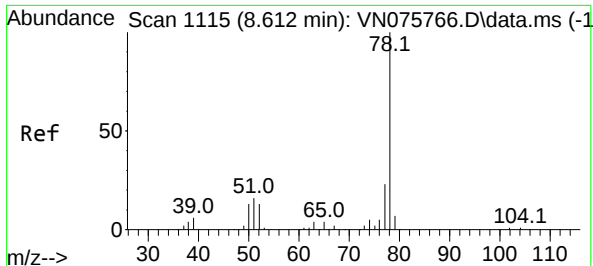
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023



#39
Methylcyclohexane
Concen: 1.833 ug/l
RT: 9.606 min Scan# 1284
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Tgt Ion: 83 Resp: 9407
Ion Ratio Lower Upper
83 100
55 66.0 51.4 77.0
98 51.7 39.8 59.8





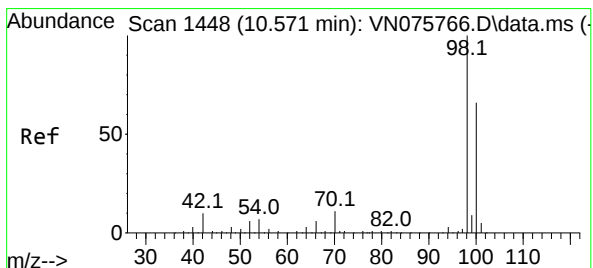
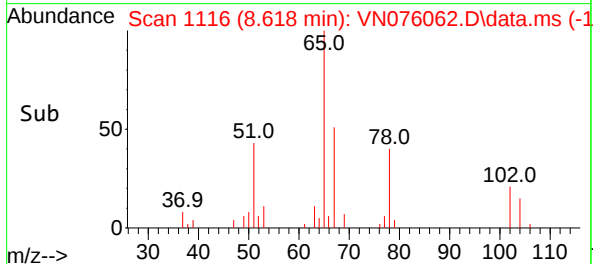
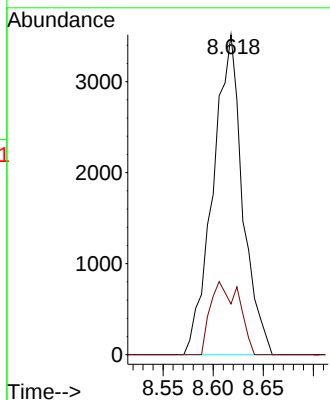
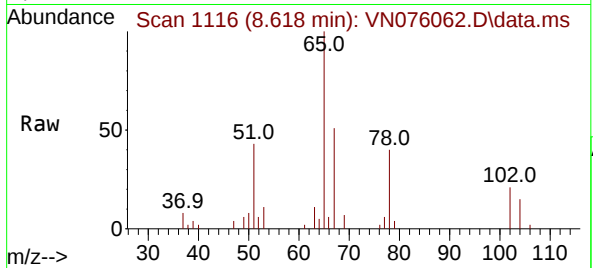
#40
Benzene
Concen: 0.551 ug/l
RT: 8.618 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW-10DL

Tgt Ion: 78 Resp: 7230
Ion Ratio Lower Upper
78 100
77 15.8 18.5 27.7

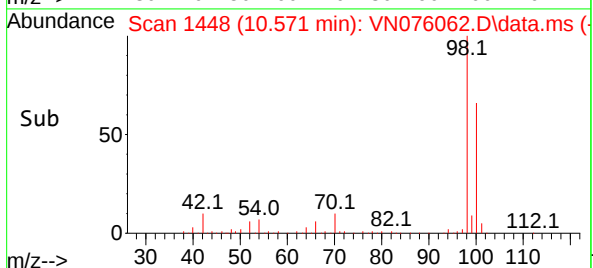
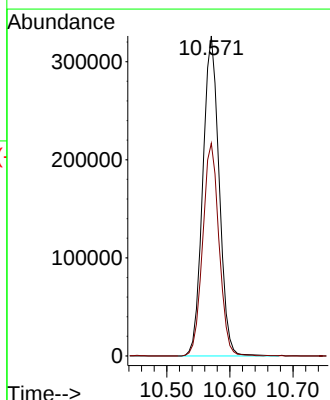
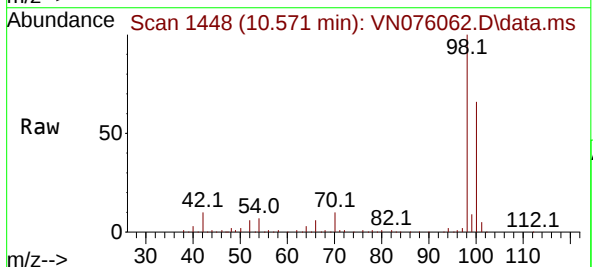
Manual Integrations
APPROVED

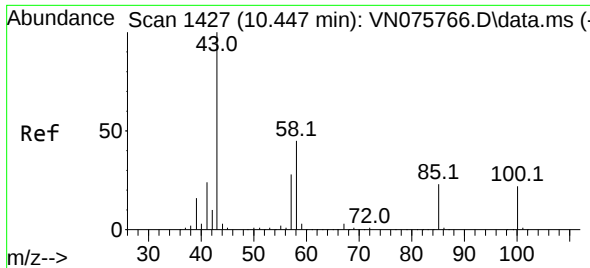
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023



#50
Toluene-d8
Concen: 49.041 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Tgt Ion: 98 Resp: 587252
Ion Ratio Lower Upper
98 100
100 66.3 52.1 78.1





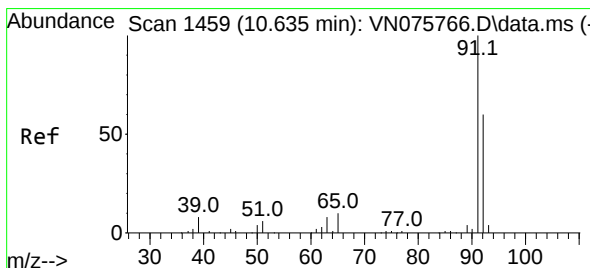
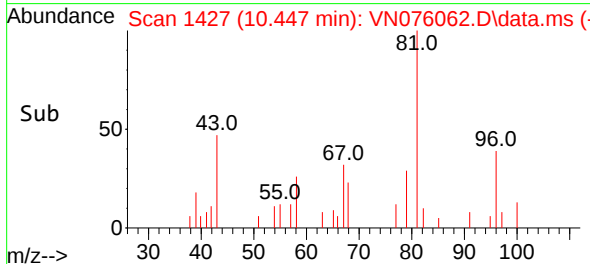
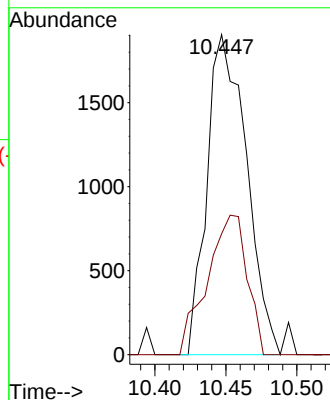
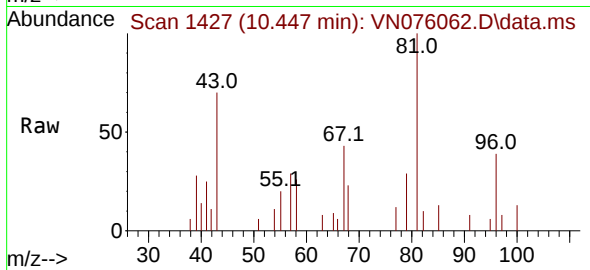
#51
4-Methyl-2-Pentanone
Concen: 1.081 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW-10DL

Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
58 44.1 35.5 53.3

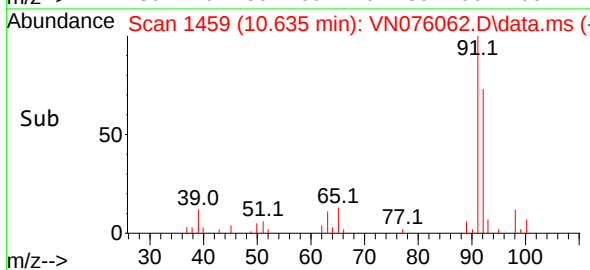
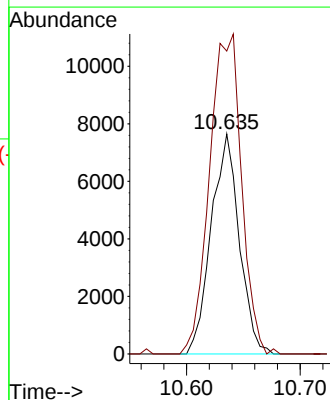
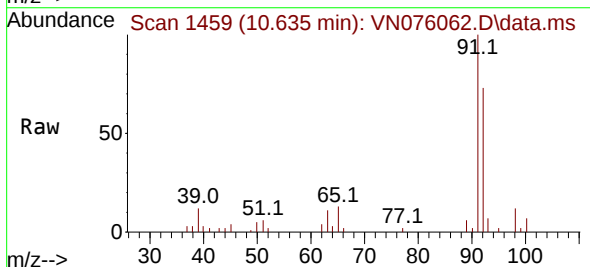
Manual Integrations
APPROVED

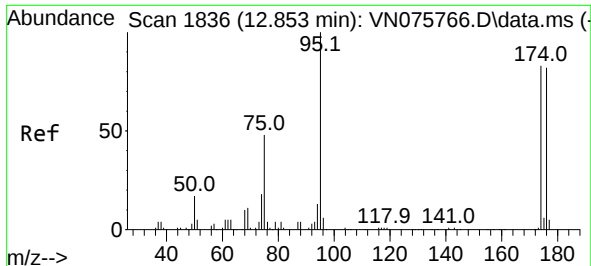
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023



#52
Toluene
Concen: 1.535 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

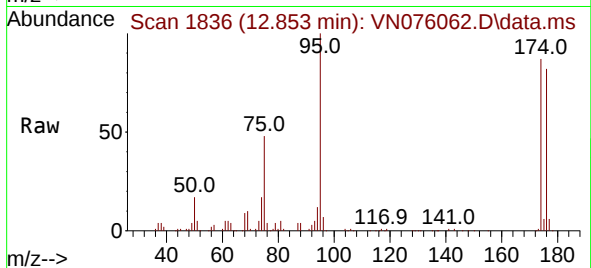
Tgt Ion: 92 Resp: 13119
Ion Ratio Lower Upper
92 100
91 166.0 137.3 205.9





#62
4-Bromofluorobenzene
Concen: 47.575 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

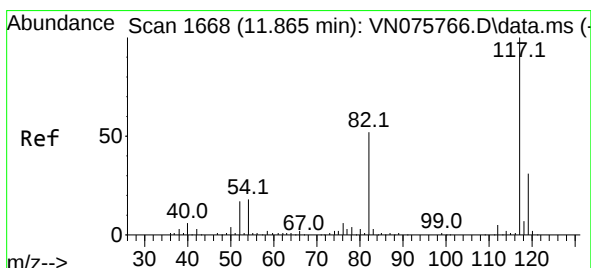
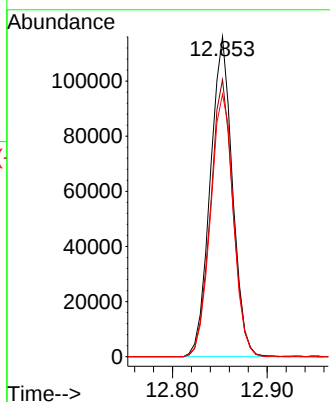
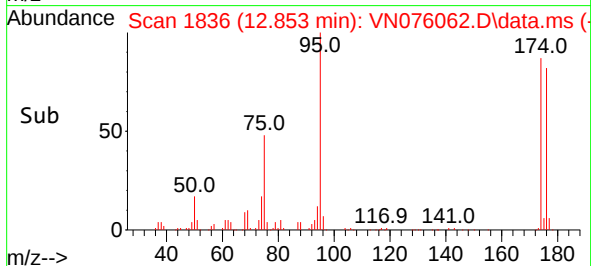
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



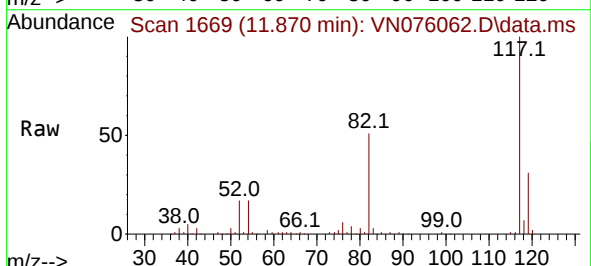
Tgt Ion: 95 Resp: 18868
Ion Ratio Lower Upper
95 100
174 87.5 0.0 171.6
176 84.5 0.0 169.2

Manual Integrations
APPROVED

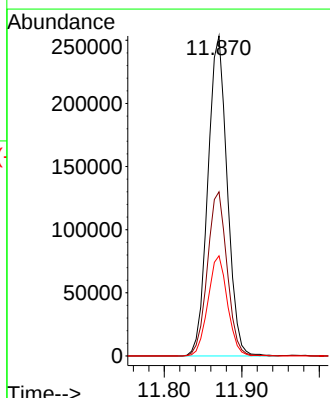
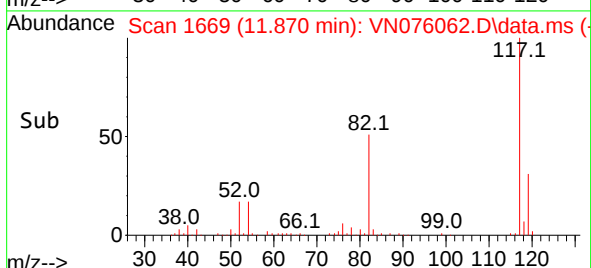
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023

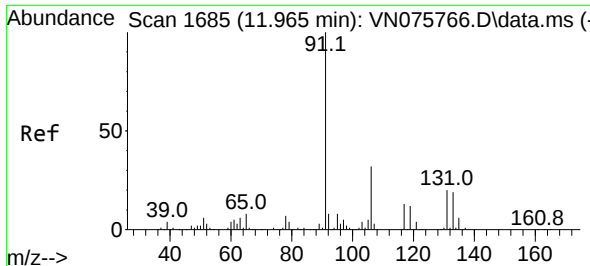


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38



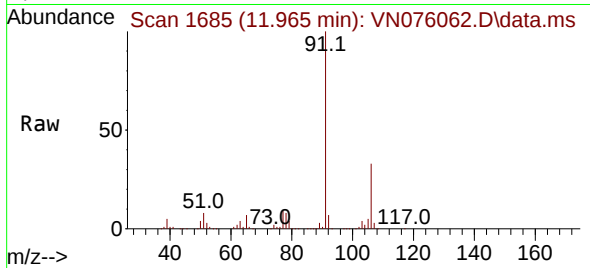
Tgt Ion:117 Resp: 438732
Ion Ratio Lower Upper
117 100
82 51.3 41.3 61.9
119 31.3 24.6 37.0





#67
Ethyl Benzene
Concen: 41.822 ug/l
RT: 11.965 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

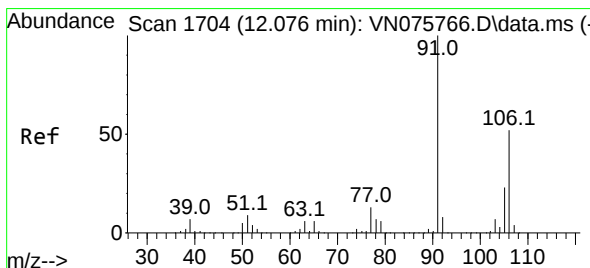
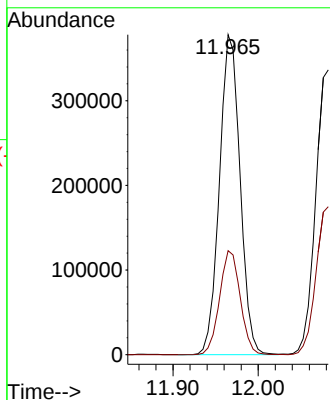
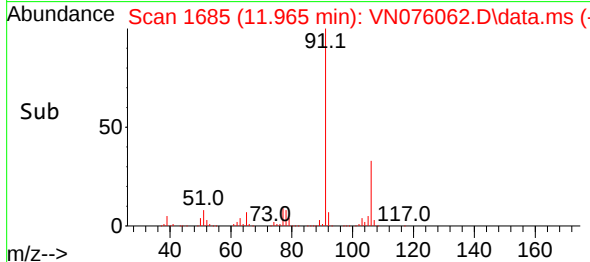
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



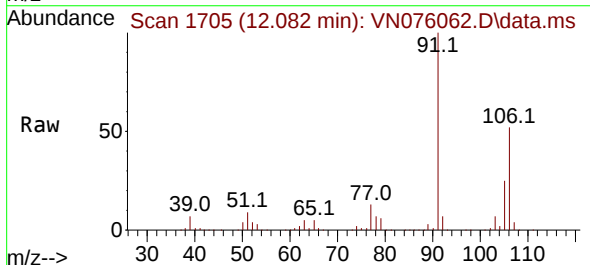
Tgt Ion: 91 Resp: 635600
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5

Manual Integrations
APPROVED

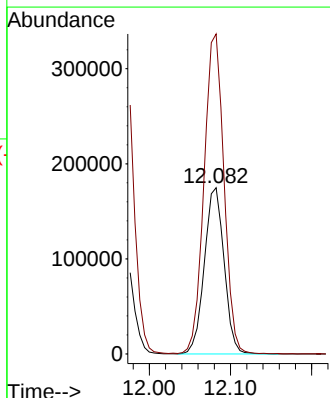
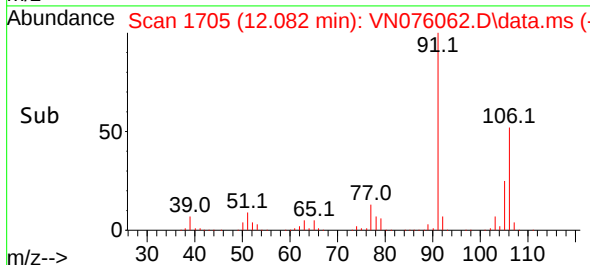
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023

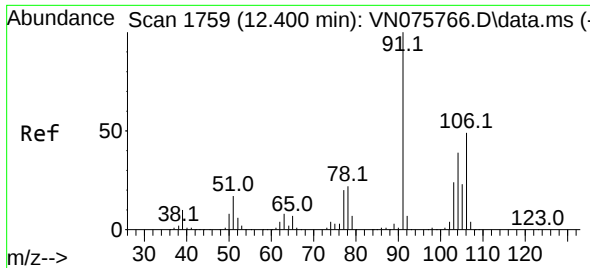


#68
m/p-Xylenes
Concen: 49.052 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38



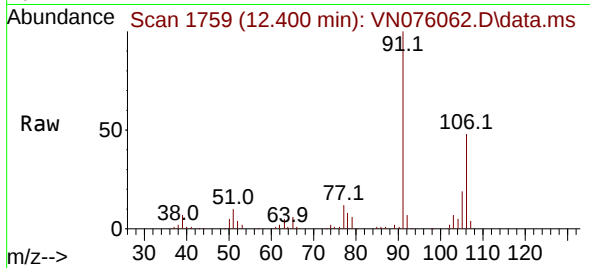
Tgt Ion:106 Resp: 295062
Ion Ratio Lower Upper
106 100
91 194.0 156.6 235.0





#69
o-Xylene
Concen: 9.404 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

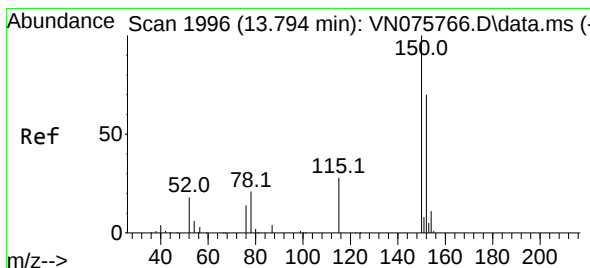
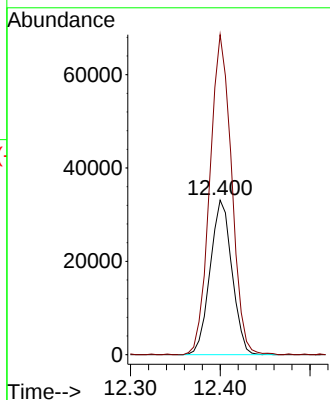
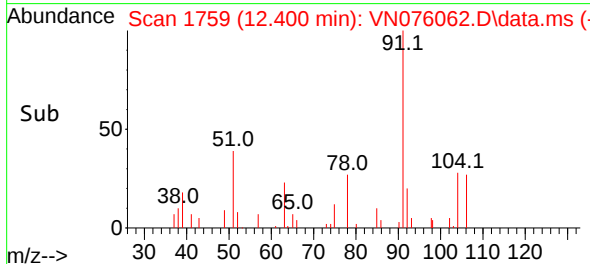
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



Tgt Ion:106 Resp: 5598
Ion Ratio Lower Upper
106 100
91 206.7 103.8 311.6

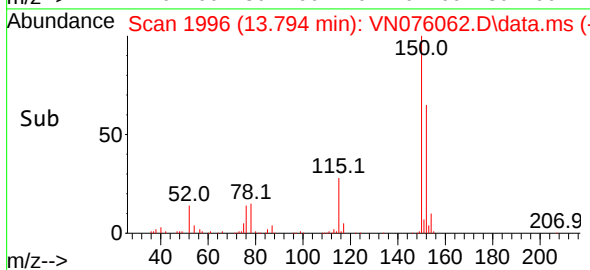
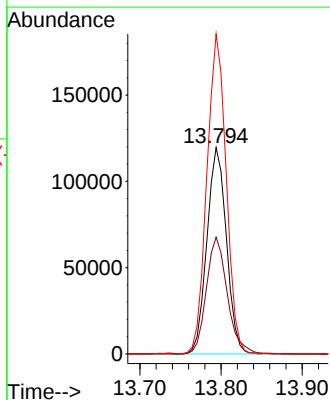
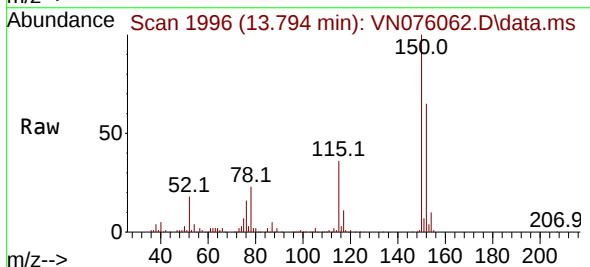
Manual Integrations
APPROVED

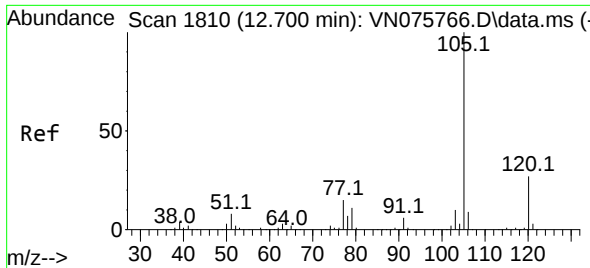
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Tgt Ion:152 Resp: 199676
Ion Ratio Lower Upper
152 100
115 61.0 29.1 87.4
150 153.4 0.0 347.0





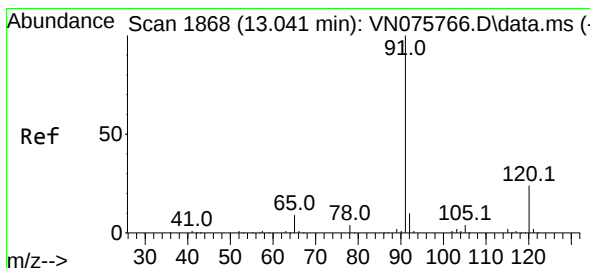
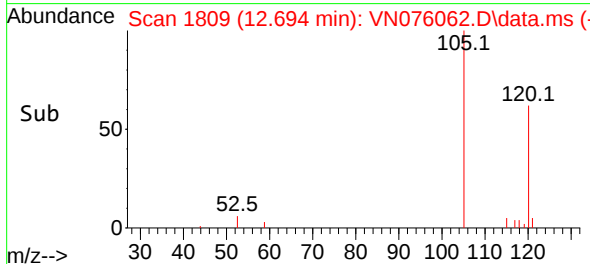
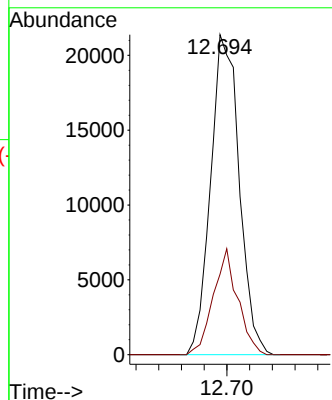
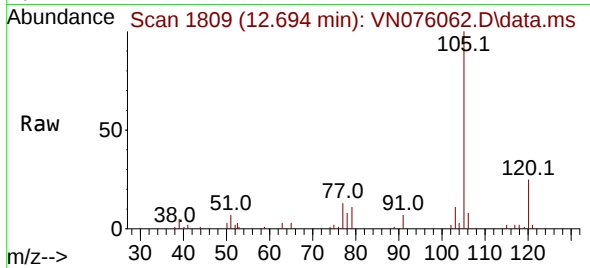
#73
Isopropylbenzene
Concen: 2.589 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW-10DL

Tgt Ion:105 Resp: 37360
Ion Ratio Lower Upper
105 100
120 28.3 13.4 40.2

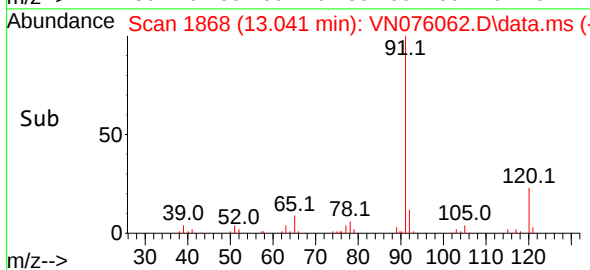
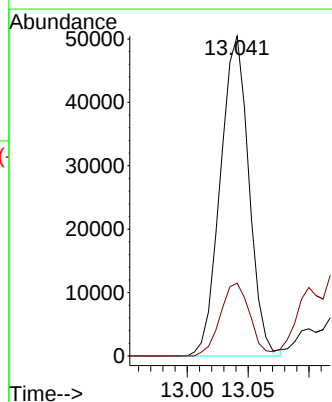
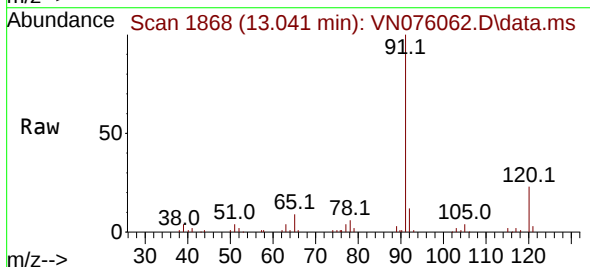
Manual Integrations
APPROVED

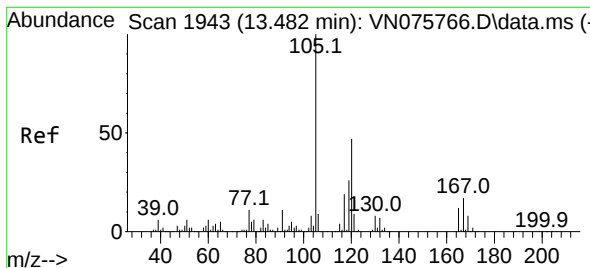
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023



#78
n-propylbenzene
Concen: 5.178 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Tgt Ion: 91 Resp: 82414
Ion Ratio Lower Upper
91 100
120 23.5 12.0 36.1





#84

1,2,4-Trimethylbenzene

Concen: 62.649 ug/l

RT: 13.488 min Scan# 1943

Delta R.T. 0.006 min

Lab File: VN076062.D

Acq: 03 Jan 2023 14:38

Instrument :

MSVOA_N

ClientSampleId :

MW-10DL

Tgt Ion:105 Resp: 75056

Ion Ratio Lower Upper

105 100

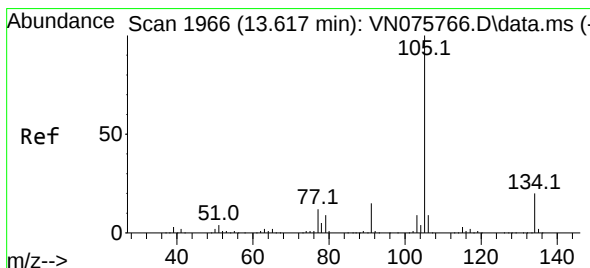
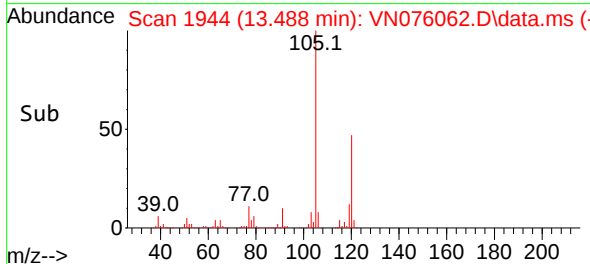
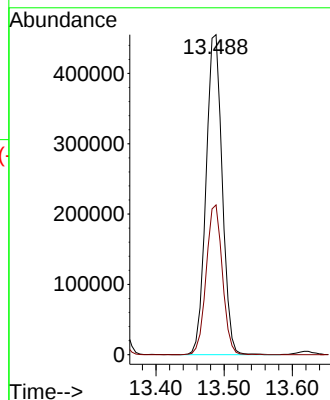
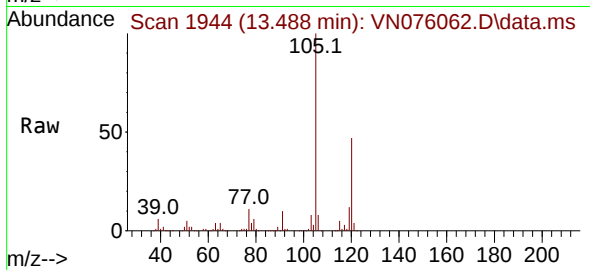
120 46.8 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2023

Supervised By :Mahesh Dadoda 01/04/2023



#85

sec-Butylbenzene

Concen: 0.581 ug/l m

RT: 13.617 min Scan# 1966

Delta R.T. -0.000 min

Lab File: VN076062.D

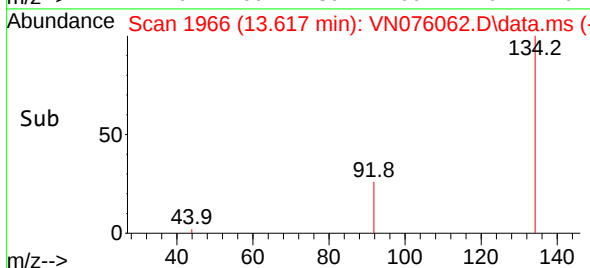
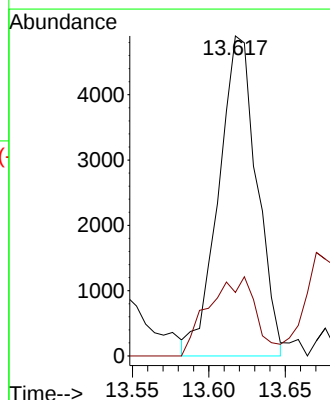
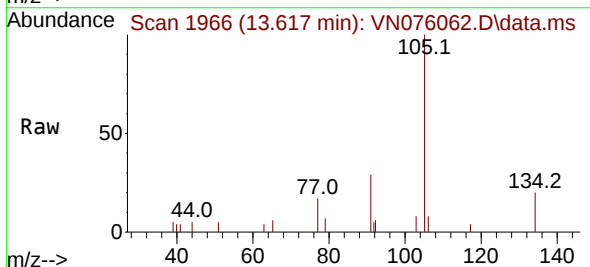
Acq: 03 Jan 2023 14:38

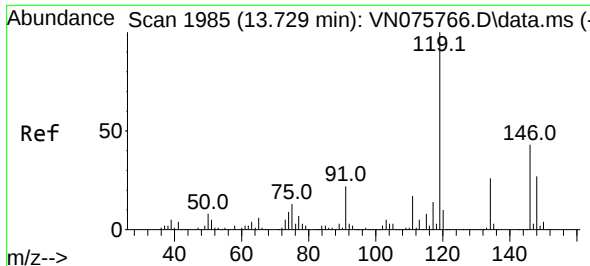
Tgt Ion:105 Resp: 8545

Ion Ratio Lower Upper

105 100

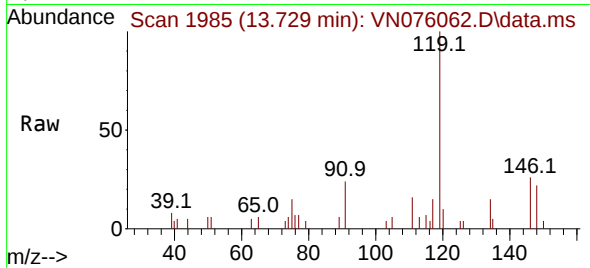
134 0.0 10.1 30.1#





#86
p-Isopropyltoluene
Concen: 0.520 ug/l m
RT: 13.729 min Scan# 1985
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

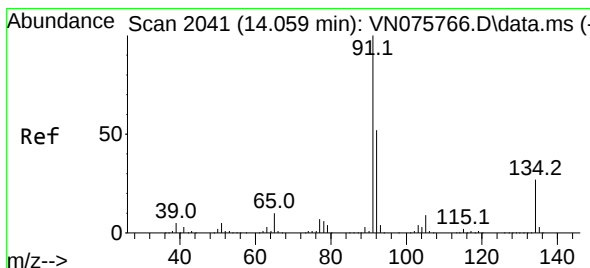
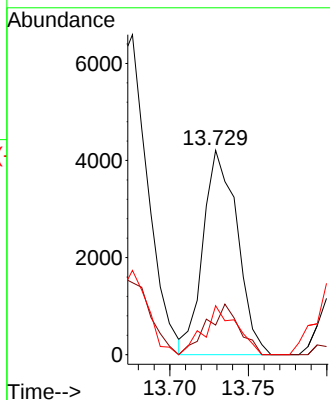
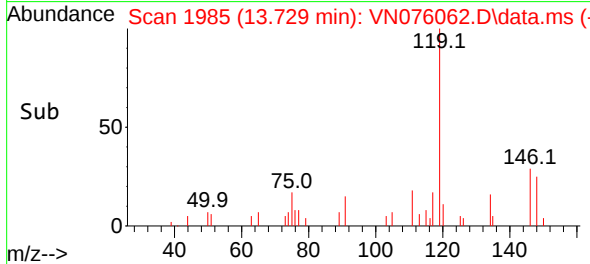
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



Tgt Ion: 119 Resp: 636
Ion Ratio Lower Upper
119 100
134 41.8 13.0 39.0
91 39.6 11.2 33.6

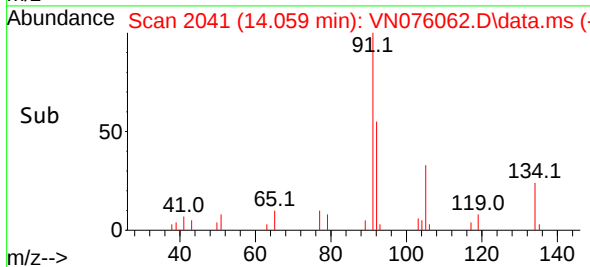
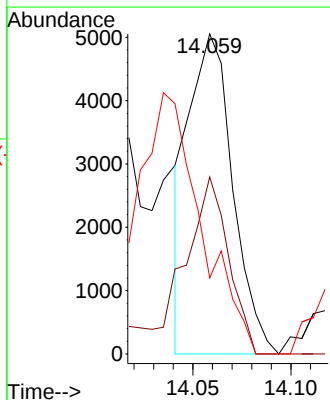
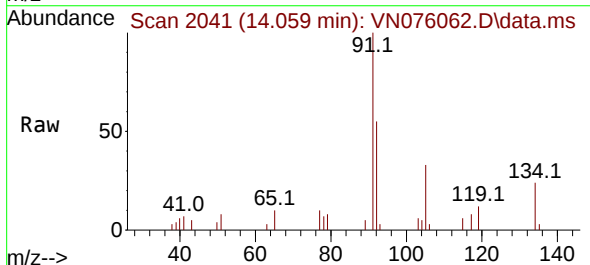
Manual Integrations
APPROVED

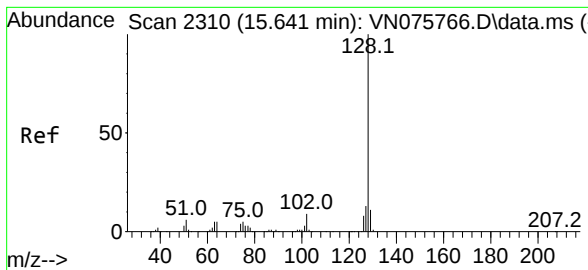
Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023



#89
n-Butylbenzene
Concen: 0.799 ug/l m
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

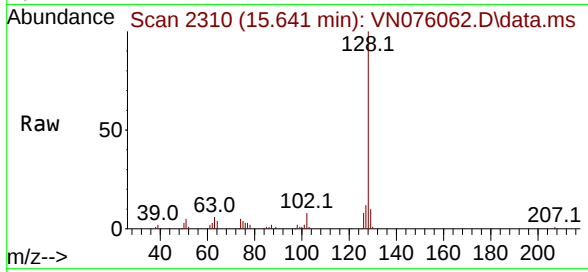
Tgt Ion: 91 Resp: 7911
Ion Ratio Lower Upper
91 100
92 53.4 26.4 79.2
134 0.0 13.4 40.2#





#95
Naphthalene
Concen: 11.790 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076062.D
Acq: 03 Jan 2023 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



Tgt Ion:128 Resp: 109212
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.2 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/04/2023
Supervised By :Mahesh Dadoda 01/04/2023

